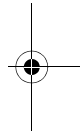
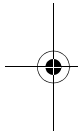


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**OWNER'S MANUAL**

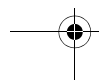
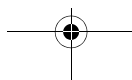
Please read before using this equipment.

**CD-3339**

**Portable Compact Disc Player  
with AM/FM Stereo Cassette Recorder**



**OPTIMUS®**



## FEATURES

Your Optimus Portable Compact Disc Player is an all-in-one music system. It lets you listen to your favorite CDs, AM and FM radio stations, or cassette tapes, and record onto a cassette tape from a CD or the radio. You can take the CD-3339 with you almost anywhere — indoors or out, at work or play.

### CD Player Features

**Automatic Search Music System (ASMS)** — lets you quickly locate and play any track on a CD.

**Audible Search** — helps you locate a particular section of a CD by rapidly playing it in either direction.

**Direct Track Selection** — you can select and play any track on a CD by simply entering the track number on the remote control.

**Programmable Play** — lets you program and play up to 20 tracks in any order.

**Random Play** — lets you set the system to automatically play a CD's tracks in random order.

**INTRO (Introduction) Scanning** — lets you review the first 10 seconds of each track on a CD, so you can easily find a track you want to listen to.

**Repeat Play** — lets you automatically repeat a single track, all tracks on the CD, or a programmed sequence of tracks.

**3- or 5- Inch CD Compatible** — lets you play either 3- or 5-inch CDs on the system.

### Cassette Deck Features

**Multiple Source Recording** — lets you record onto a cassette tape from the CD player or radio.

**Automatic Level Control (ALC)** — automatically adjusts the recording level.

**Auto-Stop** — protects the tape and tape-handling parts by automatically stopping the cassette tape when it reaches its end.

**Soft Cassette Tape Eject** — slowly opens the cassette compartment door so the tape does not pop out.

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## Special Features

**Clock Function** — lets you set the time.

**Memory Tuning** — lets you store and easily select up to 40 of your favorite radio stations (20 AM and 20 FM).

**Remote Control** — lets you control most of the system's functions from a distance.

**Liquid Crystal Display** — clearly displays your system's indicators for easy viewing in almost any lighting condition.

**Bass Boost Control** — boosts low tones for an emphasized bass sound.

**Two Power Options** — you can power your system from internal batteries (not supplied) or AC power.

**Note:** The remote control requires two AAA batteries (not supplied) for power.

Read this manual carefully. It will help you get the most enjoyment from your CD-3339.

**Warning:** This CD player employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



### CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

**Notes:**

- Most CDs that can be played on this player have this mark on them:



- Most material on compact discs and prerecorded tapes is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.

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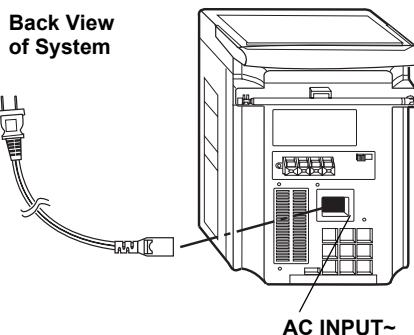
## CONNECTING POWER

You can power the CD-3339 from either of these sources:

- AC power, using the supplied AC power cord
- internal battery power, using eight C batteries and two AA batteries (not supplied)

### USING AC POWER

To use AC power, plug the supplied power cord into **AC INPUT~** on the back of the system, then plug the other end into a standard AC outlet.



**Caution:** Your system's power cord has a polarized plug (one blade is wider than the other). If you have difficulty inserting the plug into the outlet, do not force it! Turn the plug over and try again.

#### Notes:

- Always plug the power cord into the CD-3339 before you plug it into the AC outlet, and unplug the power cord from the outlet before you unplug it from the CD-3339.
- Connecting the power cord to the CD-3339 automatically disconnects the internal C batteries.
- Even if you plan to use only AC power, we recommend you install two AA batteries to save the clock setting and tuner memory in the event of a power failure. See "Using Batteries".

### USING BATTERIES

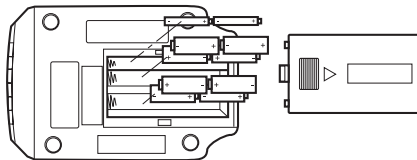
You can power your CD-3339 with eight C batteries (for normal operation) and two AA batteries (for memory backup). For the best performance and longest life, we recommend RadioShack alkaline batteries.

#### Cautions:

- Only use fresh batteries of the required size and type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

**Bottom View of System**



1. Press the arrow on the battery compartment cover and slide the cover out to remove it.
2. Install the AA and the C batteries in the compartment (on top of the attached ribbon) as indicated by the polarity symbols (+ and -) marked inside.
3. Replace the cover.

**Notes:**

- If you do not plan to use the CD-3339 for a week or more, or if you plan to use only AC power, remove the C batteries.
- To save the clock setting and tuner memory in case power is disconnected or interrupted, always leave the AA batteries installed.
- If the sound weakens or distorts, or the CD-3339 does not operate properly, replace the C batteries.
- Replace the AA batteries about every 6 months, or more often if power is frequently disconnected or interrupted.

- To easily remove the batteries, pull up on the attached ribbon.

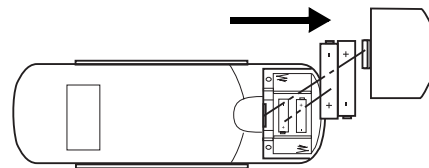
**Caution:** Always dispose of old batteries promptly and properly.

## INSTALLING BATTERIES IN THE REMOTE CONTROL

The remote control requires two AAA batteries for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

**Caution:** Always use fresh batteries of the required size and type.

1. To open the battery compartment cover, slide the cover in the direction of the arrow, then lift the cover off.



2. Insert the batteries into the compartment (on top of the attached ribbon) according to the polarity symbols (+ and -) marked inside.
3. Replace the cover.



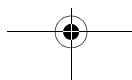
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You can use the remote control up to a distance of about 16 feet (5 meters), from an angle of up to 30° in front of the CD-3339. If it does not operate properly within this range, replace the remote control's batteries.

**Notes:**

- If you will not be using the remote control for a month or more, remove the batteries.
- To easily remove the batteries, pull up on the attached ribbon.

**Caution:** Always dispose of old batteries promptly and properly.





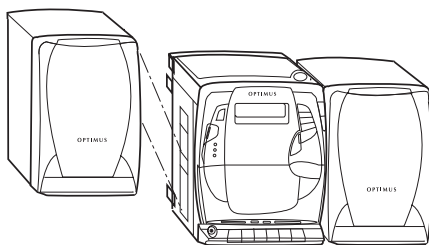
## PREPARATION

### INSTALLING THE SPEAKERS

Your Optimus CD-3339 comes with two detachable speakers for excellent stereo sound.

**Caution:** Do not plug in the power cord until you connect the speakers. Operating the CD-3339 without connected speakers could damage it.

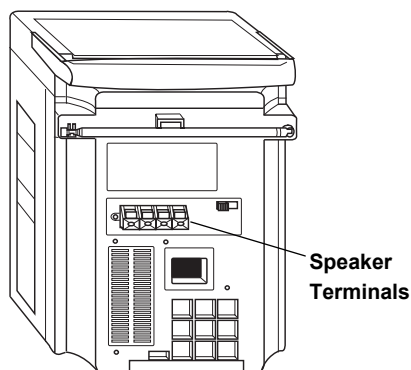
The wires for the CD-3339's speakers are rolled up in the recessed area in the back of each speaker. Unwind the wire from each speaker, then follow these steps to connect the speakers to the system.



1. Align the dovetails on the side of the right speaker with the tracks on the right side of the system and slide the speaker down until it clicks into place.

Attach the left speaker in the same way.

2. Press the red **R+** speaker terminal tab on the back of the main system, insert the stripped red end of the right speaker wire, then release the tab.

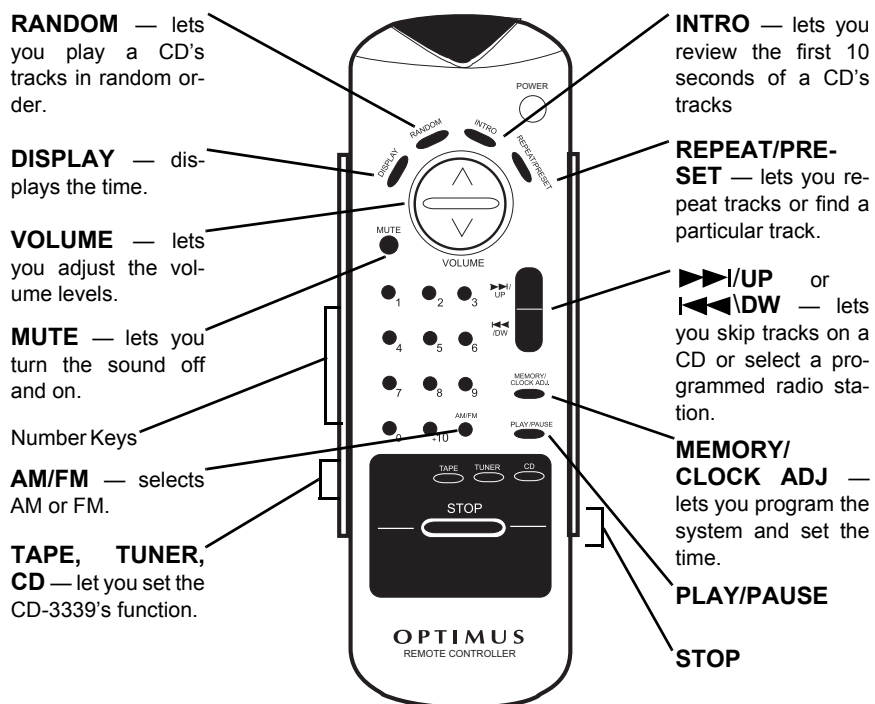


**Note:** Make sure that the insulated portion of each wire is not touching the metal part of the speaker terminals.

3. Press the black **R-** speaker terminal, insert the stripped black end of the right speaker wire, then release the tab.
4. Repeat Steps 2 and 3 to connect the left speaker to the **L+** and **L-** terminals.

To disconnect the speakers from the system, disconnect the speaker wires from the CD-3339. Then press the release tabs on the back of the main system and slide each speaker up along the tracks.

## A LOOK AT THE REMOTE CONTROL FEATURES



## USING THE REMOTE CONTROL

To use the remote control, be sure that its front end is pointing with a clear path toward the remote sensor on the front of the CD-3339, then press the desired button(s).

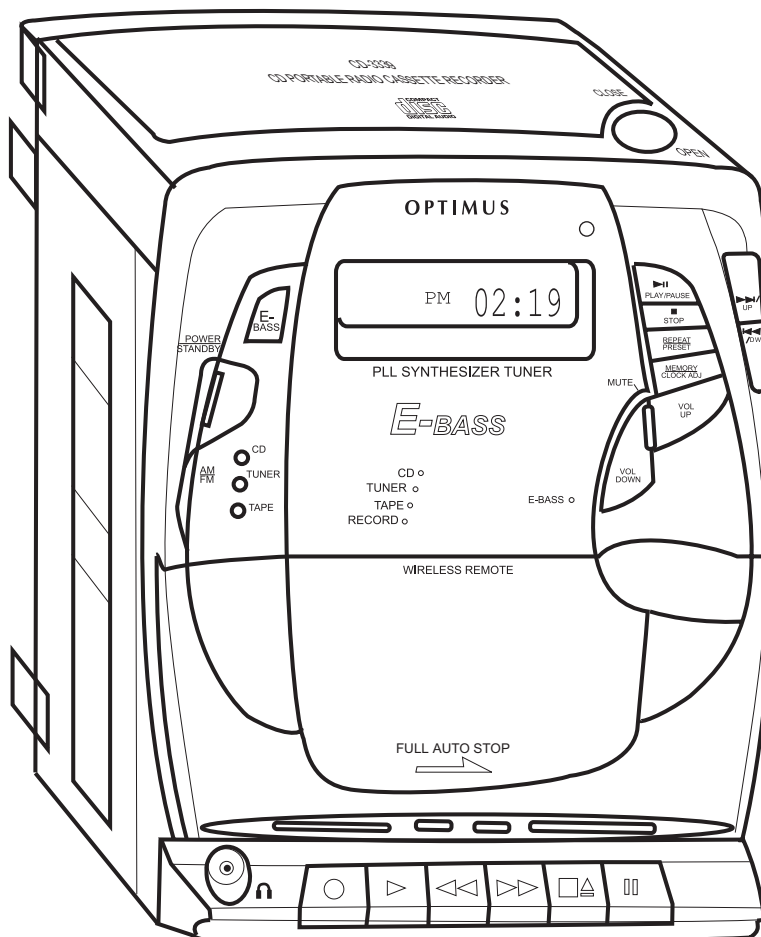
**Caution:** Exposing the remote control or remote sensor to direct sunlight or strong lights, such as a spotlight, will reduce the remote control's operating distance and can make it inoperative.

### Notes:

- When you are using batteries to power the system, the remote control can turn the system's power off, but not on again.
- Several buttons on the system and the remote control operate the same function.
- You cannot operate the tape deck using the remote control (see "Cassette Deck Operation" on Page 22).

## BASIC OPERATION

### A LOOK AT THE CD-3339'S CONTROLS



**POWER**  
**STANDBY** — turns power on and off.

**AM**  
**FM** — selects AM or FM.

 — lets you use headphones.

**REC** ● — lets you record from the radio or from a CD.

**PLAY** ► — lets you play prerecorded cassettes or cassettes you record from another source.

**REW** ◀◀ (Rewind) — rewinds a cassette tape.

**F.FWD** ▶▶ (Fast Forward) — fast forwards a cassette tape.

**STOP/EJECT** ■▲ — stops cassette tape play and opens cassette deck.

**PAUSE** || — temporarily stops play.

**VOL UP** and **VOL DOWN** — lets you adjust the volume.

**REPEAT**  
**PRESET** — repeats selections and programs memory positions.

**MEMORY/CLOCK ADJ** — lets you program the system and set the time.

**PLAY/PAUSE** ▶/|| — plays a CD and temporarily stops play of a CD.

▶▶| **UP** or |◀◀ **DW** — skips from one track to another.

**STOP** ■ — stops CD play and special functions.

**E-BASS** — boosts bass sound.

## TURNING POWER ON AND OFF

**Important:** After receiving a static electric shock, the CD-3339 might lock up and become inoperable. If this hap-

pens, see “Troubleshooting” on Page 26.

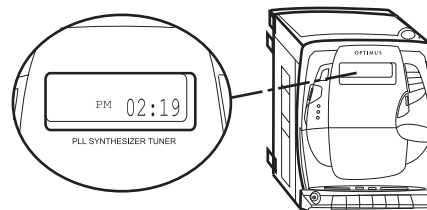
To turn on the CD-3339, press **POWER/STANDBY**, or **POWER** on the remote control. The **POWER/STANDBY** indicator turns off and the display lights.

To turn off the CD-3339, press **POWER/STANDBY** again, or **POWER** on the remote control. The **POWER/STANDBY** indicator lights.

**Note:** When using batteries, the **POWER/STANDBY** indicator and the display do not light.

## SETTING THE CLOCK

**Note:** If the CD-3339 is set to **CD** or **TUNER** mode, press **DISPLAY** on the remote control or press **TAPE** on the main system to change to the clock display.



1. Press **MEMORY/CLOCK ADJ**. The hour digits flash.

2. Press **▶▶I UP** or **I◀◀ DW** to set the hours.
3. Press **MEMORY/CLOCK ADJ.** The minute digits flash.
4. Press **▶▶I UP** or **I◀◀ DW** to set the minutes.
5. Press **MEMORY/CLOCK ADJ.** to store the settings. The clock starts.

## SETTING THE SOUND

### Adjusting the Volume

To increase or decrease the system's volume, press **VOL UP** or **VOL DW** (or **VOLUME**  $\wedge$  or  $\vee$  on the remote control).

To turn off the sound temporarily, press **MUTE** on the remote control so MUTE lights. To resume listening, press **MUTE** again so MUTE turns off.


### Boosting the Bass

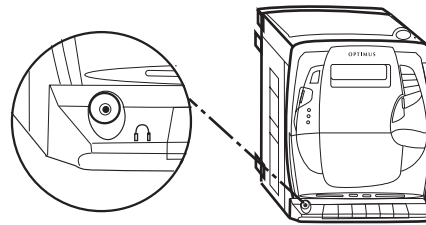
Press **E-BASS** for an enhanced bass effect. Press **E-BASS** again for normal bass sound. The E-BASS indicator lights when **E-BASS** is on.

## USING HEADPHONES

To listen without disturbing others, connect a pair of  $\frac{1}{8}$ -inch (3.5-mm) plug stereo headphones (not supplied) to

the CD-3339. Your local RadioShack store sells a wide selection of stereo headphones.

To connect headphones, plug the headphones into the  jack on the front of the CD-3339.



**Note:** Connecting headphones automatically disconnects the CD-3339's speakers.

### Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

## RADIO OPERATION

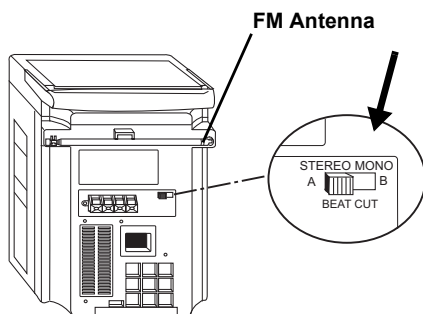
### LISTENING TO THE RADIO

1. Press **TUNER**. The last selected radio band and frequency appear and **TUNER** lights.
2. Press **AM**/**FM** to select the desired band.
3. Press **▶▶ UP** or **◀◀ DW** to tune to the next highest or lowest station. As you press the button, the frequency number changes.

To rapidly scan for a station, hold down one of those buttons. When you release it, the tuner automatically stops at the next strong station.

#### Notes:

- The CD-3339 is preset to receive FM broadcasts in stereo. If a broadcast is being received in stereo, **ST** appears.
- To improve reception for weak FM stations, set **STEREO MONO** on the back of the system to **MONO (B)** so **ST** disappears.



The sound is no longer in stereo, but reception should improve. To return to stereo sound, set **STEREO MONO** to **STEREO (A)** again.

- For the best FM reception, fully extend the telescoping antenna on the back of the CD-3339 and swivel the antenna to the position that produces the best reception.
  - The AM antenna is built-in. Move the CD-3339 to improve AM reception.
4. Press **VOL UP** or **VOL DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.

### MEMORY TUNING

You can store and easily recall up to 40 of your favorite radio stations (20 AM and 20 FM) using the CD-3339's memory.

#### Storing a Station in Memory

1. Press **AM**/**FM** to select the desired band.
2. Press **▶▶ UP** or **◀◀ DW** to select the desired station.
3. Press **MEMORY/CLOCK ADJ. CH 00** and the selected station's frequency appear, while **MEMORY** flashes.

4. To select a memory position, repeatedly press **REPEAT/PRESET** until the desired preset station number appears (or use the number keys on the remote control), then press **MEMORY/CLOCK ADJ** to store your selection in memory.

**Note:** If **MEMORY** and the preset station number disappear before you press **MEMORY/CLOCK ADJ**, begin again from Step 3.

5. Repeat Steps 1–4 to store up to 20 stations each in FM and AM.

**Note:** You cannot clear a station from memory, but you can store a new one in its place.

### Recalling a Stored Station

Press  $\frac{\text{AM}}{\text{FM}}$  to select **AM** or **FM**. Then repeatedly press **REPEAT/PRESET** (or the station's number key on the remote control) until the desired preset station number appears.

## CD PLAYER OPERATION

### LOADING AND PLAYING A CD

1. Press **CD**. CD lights, **00:00** and **TRACK 00** appear for a few seconds, then **no DISC** flashes.
2. Press **OPEN ▲** on top of the system. **TRACK 00** appears and the CD compartment's door opens.  
**Caution:** Do not try to force the door open. You might damage it.
3. Carefully place a CD, label side up, in the compartment.
4. To close the CD compartment's door, press down gently on the right side of the door (on the area marked **CLOSE**) until it clicks shut. After a few seconds, the loaded CD's total number of tracks and playing time appear.
5. To begin play, press **PLAY/PAUSE ►/II**. **TRACK 01** then the elapsed play time appears, and the CD begins to play.

#### Notes:

- To skip over, search, or repeat tracks, see "Special CD Player Features" on Page 17.
- To briefly stop play, press **PLAY/PAUSE ►/II**. The elapsed play time flashes. To resume play, press **PLAY/PAUSE ►/II** again.
- To display the CD's remaining play time during play, press

**DISPLAY** on the remote control. To return to the elapsed play time, press **DISPLAY** twice more.

6. Press **VOL UP** or **VOL DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.
7. The CD-3339 automatically stops play at the end of the CD's last track. To stop play sooner, press **STOP ■**. The CD's total number of tracks and play time appear.
8. To remove the CD, wait a few seconds for the CD to stop spinning, then press **OPEN ▲**. When the compartment's door opens, remove the CD then close the door.

**Caution:** Do not try to remove the CD until it stops spinning.



## SPECIAL CD PLAYER FEATURES

### Automatic Search Music System (ASMS)

The CD-3339's automatic search music system lets you skip forward or backward through the tracks on a CD.

Press and release **▶▶I UP** once to skip to the beginning of the next track, or repeatedly until the desired track number appears.

To return to the beginning of the current track during play, press **I◀◀ DW**. Or, repeatedly press the button until the desired track number appears.

### Direct Track Selection

To select a specific track on a CD, simply press the desired track's number on the remote control. For example, to select track number 7, press **7**.

To select a track number of 10 or greater (up to track 99), press **+10** the number of times to equal the track's first digit, then press the number for the second digit. For example, press:

- **+10** then **0** to select track 10
- **+10** then **7** to select track 17
- **+10 +10** then **0** to select track 20
- **+10, +10**, then **9** to select track 29

### Cue

To select a track while the CD player is stopped or paused, press **▶▶I UP** or **I◀◀ DW** until the desired track number appears. Then press **PLAY/PAUSE ▶/II** to play the track.

### Audible Search

To search forward or backward during play, hold down **▶▶I UP** or **I◀◀ DW**. The CD plays rapidly and you hear the music at high speed and at low volume.

Release the button to resume normal play.

### Random Play

Follow these steps to set the CD player to play a CD's tracks in random order.

1. Before play, press **RANDOM** on the remote control so **RANDOM** appears.

**Note:** If you press **RANDOM** during play, the CD-3339 will also play all the tracks in random order.

2. To begin random play, press **PLAY/PAUSE ▶/II**. The first randomly selected track's number appears, then the track begins to play and its elapsed play time appears.

3. To cancel random play and resume normal play, simply press **RANDOM**. **RANDOM** disappears from the display and the CD player resumes normal play.

### INTRO Scanning

The **INTRO** (introduction) scanning feature lets you review the first 10 seconds of each track on a CD.

To use the **INTRO** scanning feature, simply press **INTRO** on the remote control while the CD is stopped (not playing). **INTRO** appears and the CD player plays the first 10 seconds of each track on the loaded CD, beginning with the first track, then stops.

To cancel **INTRO** scanning without stopping play, press **INTRO** on the remote control again. **INTRO** disappears and the CD player resumes normal play.

To cancel **INTRO** scanning and stop play sooner, press **STOP** ■ so **INTRO** disappears from the display.

**Note:** You can search forward or backward during **INTRO** scanning.

### Repeat Play

The CD-3339 lets you continuously repeat a single track, all tracks on a CD, or an entire programmed sequence of tracks.

To continuously repeat a single track, press **REPEAT/PRESET** twice before or during play so **REPEAT** flashes.

To continuously repeat all tracks on the CD, press **REPEAT/PRESET** once before or during play so **REPEAT** appears steadily.

To continuously repeat an entire programmed sequence, first program the tracks you want to play (see "Programmed Play" on Page 19), then press **REPEAT/PRESET** once before or during play so **REPEAT** appears steadily along with **MEMORY**.

To cancel repeat play during or after play, repeatedly press **REPEAT/PRESET** until **REPEAT** disappears from the display. If repeat is cancelled during play, the CD player resumes normal play.

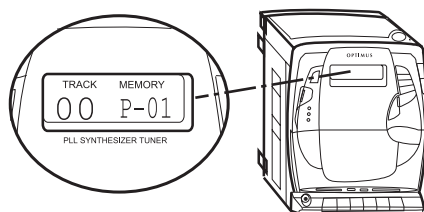
**Note:** Pressing **STOP** ■ stops play and cancels repeat play.

## PROGRAMMED PLAY

You can program the CD player to play up to 20 tracks in any order you choose, and you can program the same track to play more than once.

### Storing/Playing a Programmed Sequence

1. With a CD loaded but not playing, press **MEMORY/CLOCK ADJ.** **MEMORY**, **P-01** (memory position 1) and **00** appear while **MEMORY** and **TRACK** flash.



**Note:** You must complete Steps 2–5 within about 10 seconds of one another. If **MEMORY** disappears, you must begin again from Step 1.

2. To select the desired track, press **▶▶I UP** or **I◀◀ DW** (or the number buttons on the remote control).
3. To store the selected track, press **MEMORY/CLOCK ADJ.** again. The memory position number automatically increases by 1, indicating the CD-3339 is ready to store the next track.

**Note:** If you select a track using the number buttons on the remote control, the CD-3339 automatically stores the track without you having to press **MEMORY/CLOCK ADJ.** again.

4. Repeat Steps 2 and 3 to store up to 20 tracks.

**Note:** If you try to store more than 20 tracks, the CD player automatically returns to the first memory position and stores new tracks over the old ones.

5. Press **PLAY/PAUSE ▶/II** to play the programmed tracks. The first programmed track number then the elapsed play time appears, and the CD begins to play starting with the first programmed track.
6. Press **VOL UP** or **VOL DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.

**Note:** To resume regular or random play after playing a programmed sequence, you must first erase the programmed sequence (see "Erasing a Programmed Sequence" on Page 20).

## Reviewing/Replacing a Programmed Sequence

To review a programmed sequence, while play is stopped, repeatedly press **MEMORY/CLOCK ADJ**. As you press it, **MEMORY** and **TRACK** flash, and the track number and memory position number of each stored track appear for a few seconds.

To replace a programmed track, repeatedly press **MEMORY/CLOCK ADJ** until the memory position number of the track you want to replace appears. Then follow Steps 2 and 3 listed in "Storing/Playing a Programmed Sequence" on Page 19 to select and store the new track.

## Erasing a Programmed Sequence

You can do any of the following to erase a programmed sequence:

- press **MEMORY/CLOCK ADJ** then **STOP** ■ before or after programmed play
- press **OPEN** ▲ before or after programmed play
- press **POWER/STANDBY** to turn off the CD-3339

## CD AND CD PLAYER CARE TIPS

Although a CD is very durable, you should handle it with care. We recommend the following precautions.

- Keep the CD in its protective case or sleeve when you are not playing it.
- Keep the CD clean. Your local RadioShack store sells a suitable CD cleaner kit.
- Keep the CD dry. A drop of moisture can act as a lens and affect the laser beam's focus. If the CD gets wet, wipe it with a soft, dry cloth before playing it.
- Do not write on either side of a CD, especially the non-label side.
- Handle the CD by its edges to avoid fingerprints and surface scratches, which can prevent the laser from accurately reading the CD. If the CD gets scratched, use Scratch 'n Fix (RadioShack Cat. No. 42-127) to keep the CD from skipping during play.
- Do not store CDs in high-humidity, high-temperature, locations.

If the CD-3339 is subjected to a sudden shock or jolt during play, the CD's rotation speed might suddenly change, and the music might be briefly interrupted. This is not a malfunction.

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**Cautions:**

- To avoid damaging the CD player, do not place anything but a CD in the CD compartment.
- Remove any loaded CD from the CD compartment before moving the system to avoid damaging the CD.
- Moving the CD-3339 suddenly from a cold place to a warmer one can cause moisture to form on the CD player's pickup lens and disrupt operation. If this happens, unplug the CD-3339, then wait about an hour before plugging it back in and playing a CD.

## CASSETTE DECK OPERATION

The CD-3339's cassette deck lets you play cassette tapes or record from the radio or CD player.

**Note:** You cannot operate the cassette deck using the remote control.

### LOADING A TAPE

1. Take up any slack in the cassette tape by turning the hub with a pencil. This prevents the tape from tangling in the tape mechanism. (Avoid touching the tape with your fingers.)
2. Press **STOP/EJECT** ■▲ to open the cassette compartment's door.
3. Insert the cassette tape into the guides on the door with the exposed tape edge facing down, the side you want to play facing you, and the full reel to the left.
4. Close the door.

### PLAYING A TAPE

1. Press **TAPE**. The display shows the time.
2. Press **PLAY** ► on the system. The button locks down and the tape begins to play.

**Notes:**

- To briefly stop the tape during playback, press **PAUSE** II. The button locks down and the tape stops. To resume playback,

press **PAUSE** II again so the button releases.

- To conserve battery power when powering the CD-3339 with batteries, do not use **PAUSE** II for an extended period of time.
3. Press **VOL UP** or **DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.
  4. The CD-3339 automatically stops the tape when it reaches the end. To stop it sooner, press **STOP/EJECT** ■▲.

### Fast-Forwarding/Rewinding

To rapidly advance or rewind a cassette tape while the tape is stopped, press **F.FWD** ►► or **REW** ◄◄. The button locks down and the tape fast-forwards or rewinds.

The CD-3339 automatically stops the tape when it reaches the end. To stop it sooner, press **STOP/EJECT** ■▲.

### RECORDING A CASSETTE TAPE

**Notes:**

- The CD-3339's Automatic Level Control (ALC) feature automatically adjusts the recording level.

- **VOL UP**, **VOL DOWN**, and the **E-BASS** setting have no effect on the recording.
- Tape quality greatly affects the quality of the recording. We recommend regular length (60 or 90 minute) cassette tapes. We do not recommend long-play cassette tapes, such as C-120s, because they are thin and can easily tangle in the cassette mechanism. For low-noise, wide-range recordings, use normal-bias tape.
- Before recording, be sure the cassette tape's erase-protection tabs are in place. See "Preventing Accidental Erasure" on Page 25.

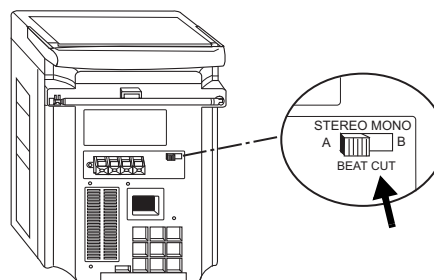
## Recording from the Radio

Follow these steps to record onto a cassette tape from any AM or FM radio station.

1. Press **TUNER**, then select the desired band and station.
2. Load a blank cassette tape, or one you want to record over, into the cassette deck, with the side you want to record on facing you and the full reel to the left.
3. Press **REC** ● on the cassette deck. **REC** ● and **PLAY** ► lock down, **RECORD** lights, and the cassette deck starts recording.

### Notes:

- To briefly stop the tape during recording, press **PAUSE** II. The button locks down and recording stops. To resume recording, press **PAUSE** II again so the button releases.
- AM broadcasts sometimes produce a whistling sound that you can hear while recording. If you hear this sound, try switching **BEAT CUT** on the back of the system to the opposite setting.



4. To listen to the radio during recording, press **VOL UP** or **VOL DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.
5. The CD-3339 automatically stops the tape when it reaches the end. To stop recording sooner, press **STOP/EJECT** ■▲. **REC** ● and **PLAY** ► release, and recording stops.

## Recording from the CD Player

Follow these steps to record from a CD onto a cassette tape.

1. Press **CD**, then load the CD you want to record.

### Notes:

- If you want to record only selected tracks from the CD or change the sequence in which the tracks are recorded, program the desired sequence of tracks now. (See "Programmed Play" on Page 19.)
- If you are listening to a track on a CD (Track 7, for example), and you press **REC** ● and **PLAY** ►, the CD starts over from the beginning of that track.

2. Load a blank cassette tape, or one you want to record over, into the cassette deck with the full reel to the left and the side you want to record on facing you.
3. Press **REC** ● on the cassette deck. **REC** ● and **PLAY** ► lock down, **RECORD** lights, the CD plays from Track 1 (unless you cue it to another track), and the cassette deck starts recording.
4. Press **PLAY/PAUSE** ►/II to start the CD player.

### Notes:

- To briefly stop the tape during recording, press **PAUSE** II. The button locks down and

recording stops, but the CD continues to play. To resume recording, press **PAUSE** II again so the button releases.

- If you press **PLAY/PAUSE** ►/II during recording, the CD pauses but the tape continues recording.
  - If you press **STOP/EJECT** ■▲ while recording, the CD pauses and the display flashes until you press **REC** ● and **PLAY** ► again. The CD resumes play, and the cassette deck resumes recording.
5. To listen to the CD during recording, press **VOL UP** or **VOL DOWN** to adjust the volume, and press **E-BASS** for enhanced bass sound as desired.
  6. The CD-3339 automatically stops the tape when it reaches its end. To stop recording sooner, press **STOP/EJECT** ■▲. **REC** ● and **PLAY** ► release and recording stops.

**Note:** If the end of the CD or programmed sequence is reached before the end of the tape, the CD player automatically stops, but you must press **STOP/EJECT** ■▲ to stop the tape.



## TAPE TIPS

### Erasing a Cassette Tape

To record over a cassette tape, simply record over the previous recording. To erase the entire cassette tape, select a function with no audio (such as **CD** with no CD playing) and let the tape record to the end.

**Note:** The tape you are recording over must be a normal bias-type tape.

To quickly erase a tape, you might prefer to use a bulk tape eraser (available at your local RadioShack store).

### Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs — one for each side.

To protect a recording from being accidentally recorded over or erased, carefully break off that side's plastic tab with a screwdriver.

If you break off a tab and decide later that you want to record on that side of the tape, carefully cover that side's tab hole with a piece of adhesive tape.

**Caution:** Removing the erase-protection tape does not prevent a bulk eraser from erasing a cassette tape.

### Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

## TROUBLESHOOTING

If your CD-3339 is not working as it should, these suggestions might help you eliminate the problem. If the system still does not operate normally, take it to your local RadioShack store for assistance.

Symptom	Possible Cause	Suggestion(s)
No sound when the radio, CD, or a cassette tape is playing.	Volume is set to its lowest setting or the sound is muted.	Press <b>VOL UP</b> on the main system, or <b>VOLUME</b> $\wedge$ or <b>MUTE</b> on the remote control.
CD player does not work.	CD is loaded upside down.	Load the CD label side up.
	Function is not set to <b>CD</b> .	Press the <b>CD</b> button.
Sound from the CD skips.	CD is dirty or damaged.	Clean the CD, use Scratch 'n Fix (Cat. No. 42-127) to fix the CD, or try a different CD.
Poor sound quality during cassette tape playback.	Cassette tape head, cap-stan, tape guides, and/or pinch rollers are dirty.	Clean the cassette deck's tape-handling parts (see "Cleaning the Tape-Handling Parts" on Page 29).
Cassette tape does not record.	Erase-protection tabs are removed from the cassette tape.	Cover the tab holes with adhesive tape.
None of the system's functions work.	Static electric shock has locked up the system.	Reset the system (see "Resetting the System" on Page 27).
Output sound is not stereo.	The station you are listening to is an AM station, or an FM station that is too weak to receive in stereo.	Tune the CD-3339 to a station that you can pick up in stereo.
	<b>STEREO MONO</b> is set to <b>MONO</b> .	Set <b>STEREO MONO</b> to <b>STEREO</b> .

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## RESETTING THE SYSTEM

After receiving a static electric shock, your CD-3339 might lock up and become inoperable. If this happens, follow these steps to reset it.

Unplug the system's cord from the AC outlet to disconnect power. Wait at least three minutes, then plug the system's cord back into the AC outlet.

## THE FCC WANTS YOU TO KNOW

This stereo system complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your stereo system might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna
- increase the distance between the stereo system and the radio or TV
- use outlets on different electrical circuits for the stereo system and the radio or TV

Consult your local RadioShack store if the problem still exists.

## CARE AND MAINTENANCE

Your Optimus Portable Compact Disc Player is an example of superior design and craftsmanship. The following suggestions will help you care for your stereo so you can enjoy it for years.



Keep the stereo dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the stereo only in normal temperature environments. Temperature extremes can shorten the life of electronic device, damage batteries, and distort or melt plastic parts.



Keep the stereo away from dust and dirt, which can cause premature wear of parts.



Handle the stereo gently and carefully. Dropping it can damage circuit boards and cases and can cause the stereo to work improperly.



Use only fresh batteries of the required size and recommended type. Batteries can leak chemicals that damage your stereo's electronic parts.



Wipe the stereo with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the stereo.

Modifying or tampering with the CD-3339's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your CD-3339 is not performing as it should, take it to your local RadioShack store for assistance.

## CLEANING THE TAPE-HANDLING PARTS

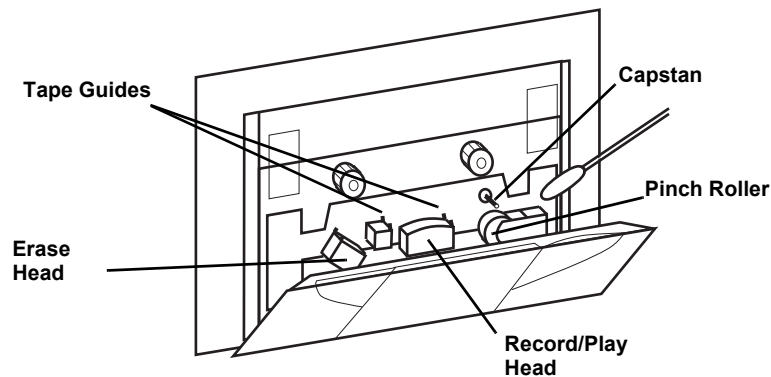
Dirt, dust or particles of the tape's coating can accumulate on the tape deck's tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette player. Use the following cleaning procedure for the cassette deck after every 20 hours of tape player operation.

1. Disconnect power.
2. Open the cassette compartment door.
3. Use a cotton swab dipped in denatured alcohol or tape head

cleaning solution to clean the record/erase head, pinch roller, capstan, play head, and tape guides.

4. When you finish cleaning, close the cassette compartment door and reconnect power.

Your local RadioShack store sells a complete line of cassette deck cleaning supplies.



## SPECIFICATIONS

### CD PLAYER

Number of Programmable Tracks .....	20
Frequency Response (at -3 dB) .....	80 Hz-16 kHz
Dynamic Range .....	70 dB
Signal-to-Noise (JIS-A) .....	67 dB
Harmonic Distortion (at 1 kHz) .....	0.8%
Separation (at 1 kHz) .....	40 dB
Sampling Frequency .....	44.1 kHz
Quantization Number .....	1-Bit
Linear/Channel Oversampling .....	8 Times
Pick-Up System .....	3 Beam
Optical Source .....	Semiconductor Laser
Wavelength .....	780-810 nm

### CASSETTE DECK

Tape Speed .....	4.76 cm/sec
Wow and Flutter .....	0.2%
Frequency Response (at -3 dB) .....	100 Hz-8 kHz
Recording System .....	AC Bias
Erase System .....	Magnetic Erase
Headphones (Stereo) Impedance .....	16-32 ohms
Power Output (at 10% THD 1 kHz) .....	2 Watts per Channel

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## GENERAL

Power Supply ..... 120V AC 60 Hz  
or Eight C Batteries

Tuning Range: ..... AM: 530–1710 kHz  
FM: 88–108 MHz

Speaker Size ..... 4 inches  
(101.6 mm)

Dimensions (HWD) ..... System:  $8\frac{7}{8} \times 9\frac{7}{16} \times 6\frac{7}{8}$  inches  
(225 × 240 × 175 mm)

One Speaker (x 2):  $8\frac{7}{8} \times 7\frac{1}{2} \times 5\frac{11}{16}$  inches  
(225 × 190 × 145 mm)

Weight ..... 9.5 lb  
(8.9 kg)

Included Accessories ..... Remote Control, AC Power Cord

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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